

Fig. 1

FIG. 2 is a block diagram of a transactional network system. The system includes a central transactional network (240) connected to multiple customers (210) and multiple merchants (220). A payment processor (230) is also connected to the transactional network (240).

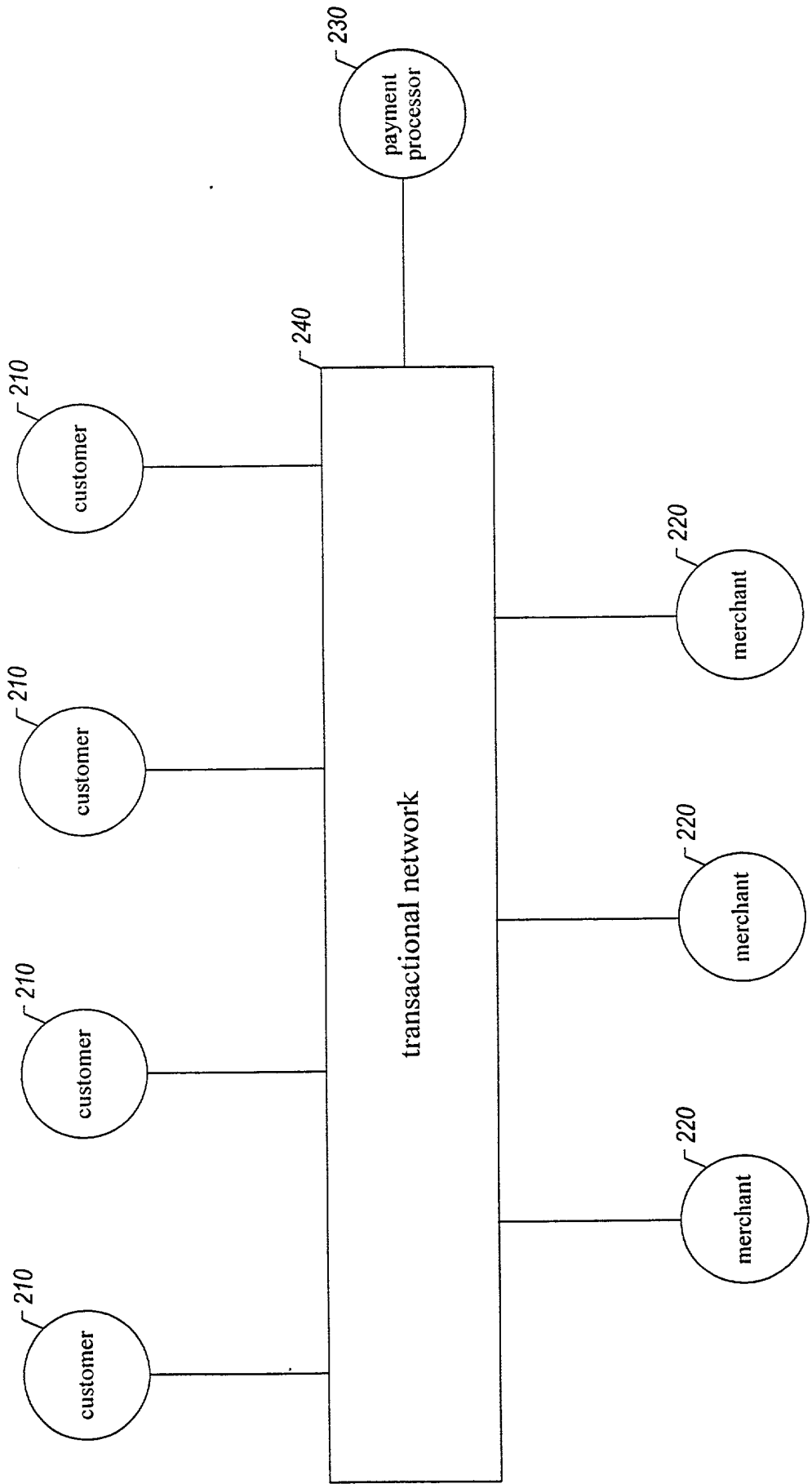


Fig. 2

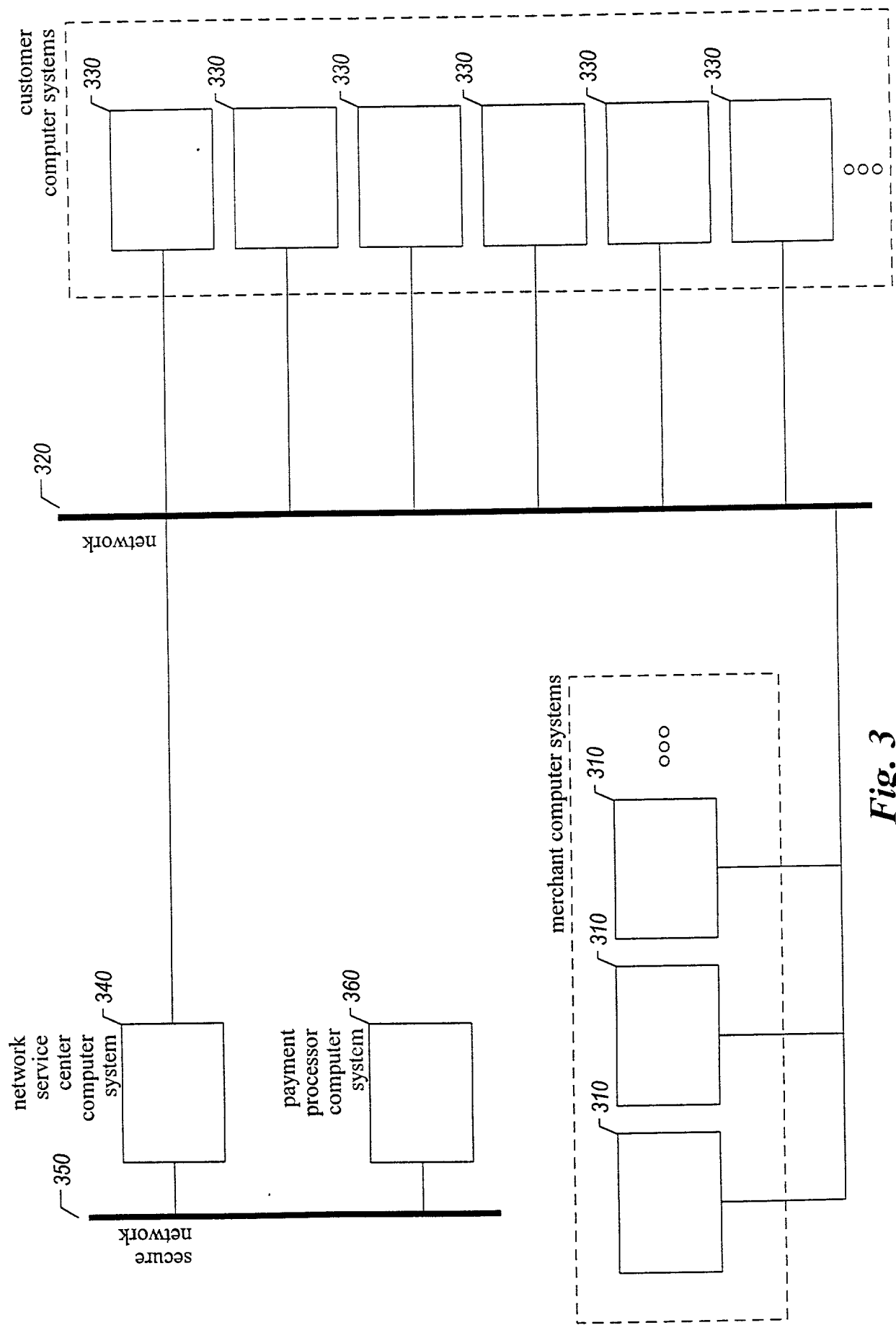


Fig. 3

merchant computer system 310

storage 430

HTML server 431

web pages 432

product database 433

authorization subsystem 434

CPU(s) 410

network connection 420

computer-readable media drive 440

Fig. 4

customer computer system 330

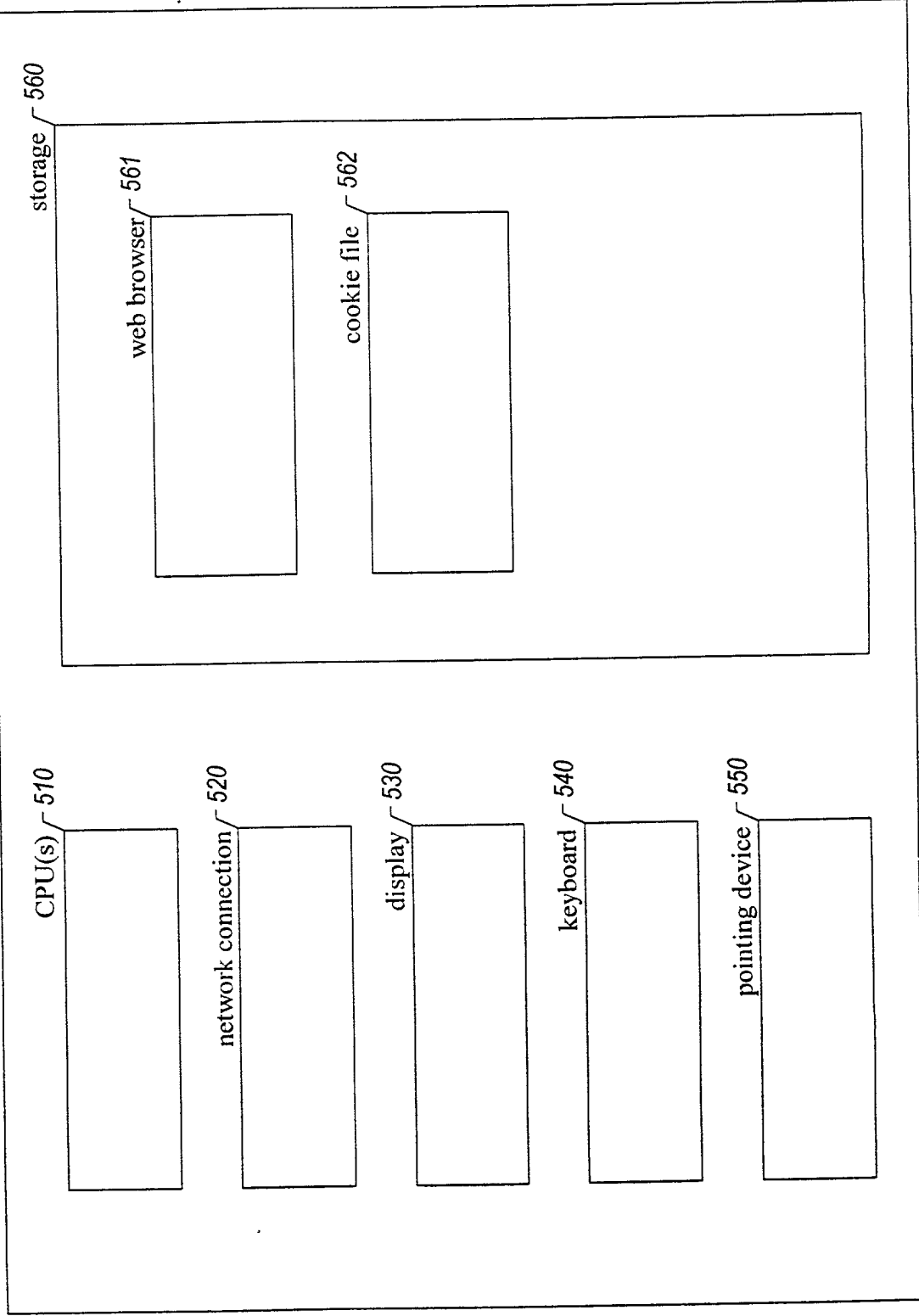


Fig. 5

network service center
computer system 340

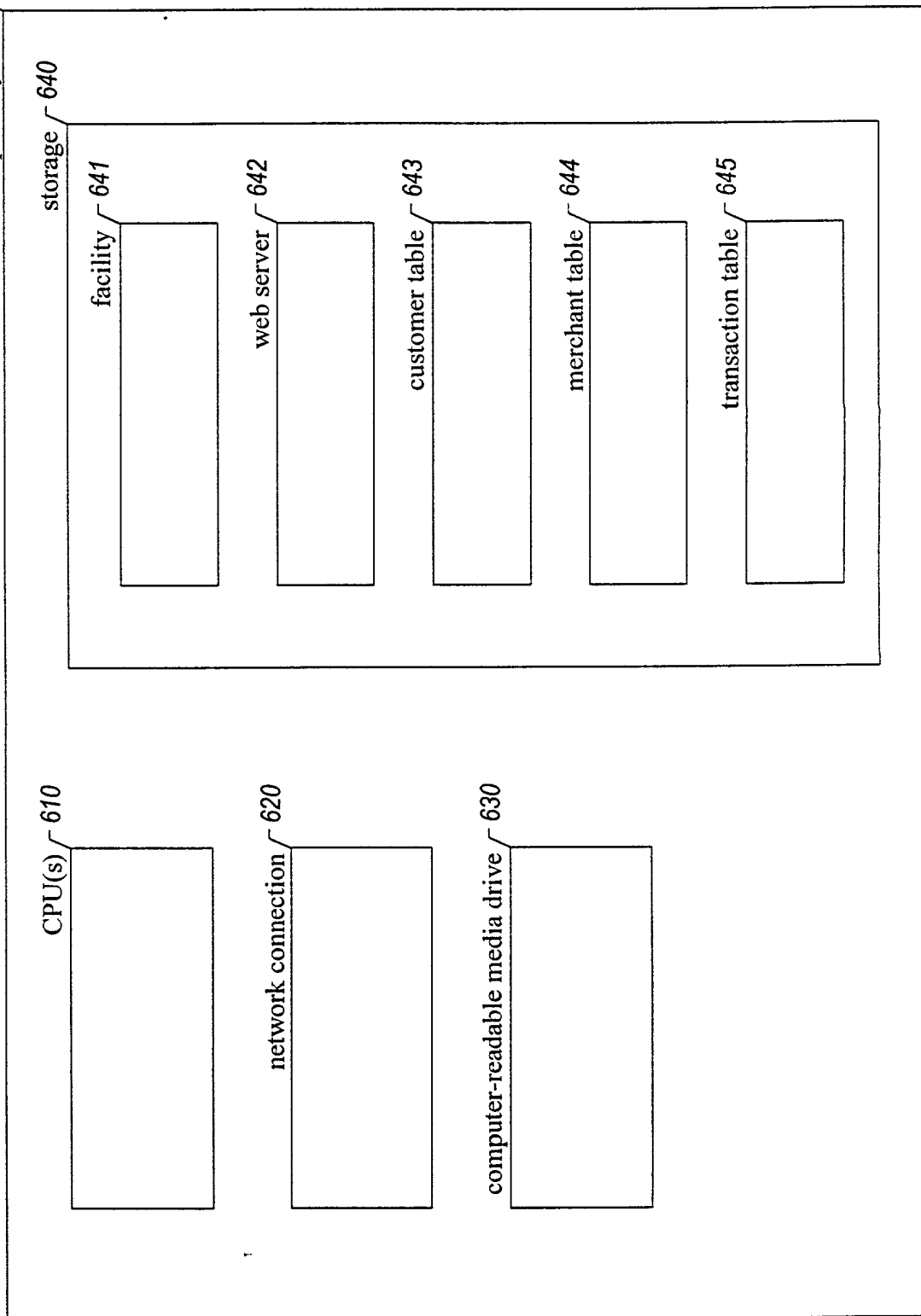


Fig. 6

XMT

Featured Articles

The role of XML in data exchange and electronic commerce

20 Questions on XML 711

Cost. \$2.50 for one hour of access
Credit: C/Net, Builder.com

By Trisha Gorman

Extensible Markup Language Attracts Publishers

Cost: \$ 2.50 for one hour of access
Credit: Mo Krochmal, TechWeb

X Marks the Spot / 113

Cost: \$ 2.50 for unlimited access
Credit: Rohit Khare and Adam Riskin

XML Set To Change The Face Of E-Commerce

Cost: \$ 2.50 for one hour of access
Credit: Rik Drummond And Kay Spearman
Network Computing

About Qpass

[Click here to find out more about Qpass](#)

Industry Resources

[Click here for links to industry sites](#)

Digital Forefront

An example of
valued content
optimized for the
web.

This month

Streaming audio books as an innovative medium for storytelling.

Fig. 7

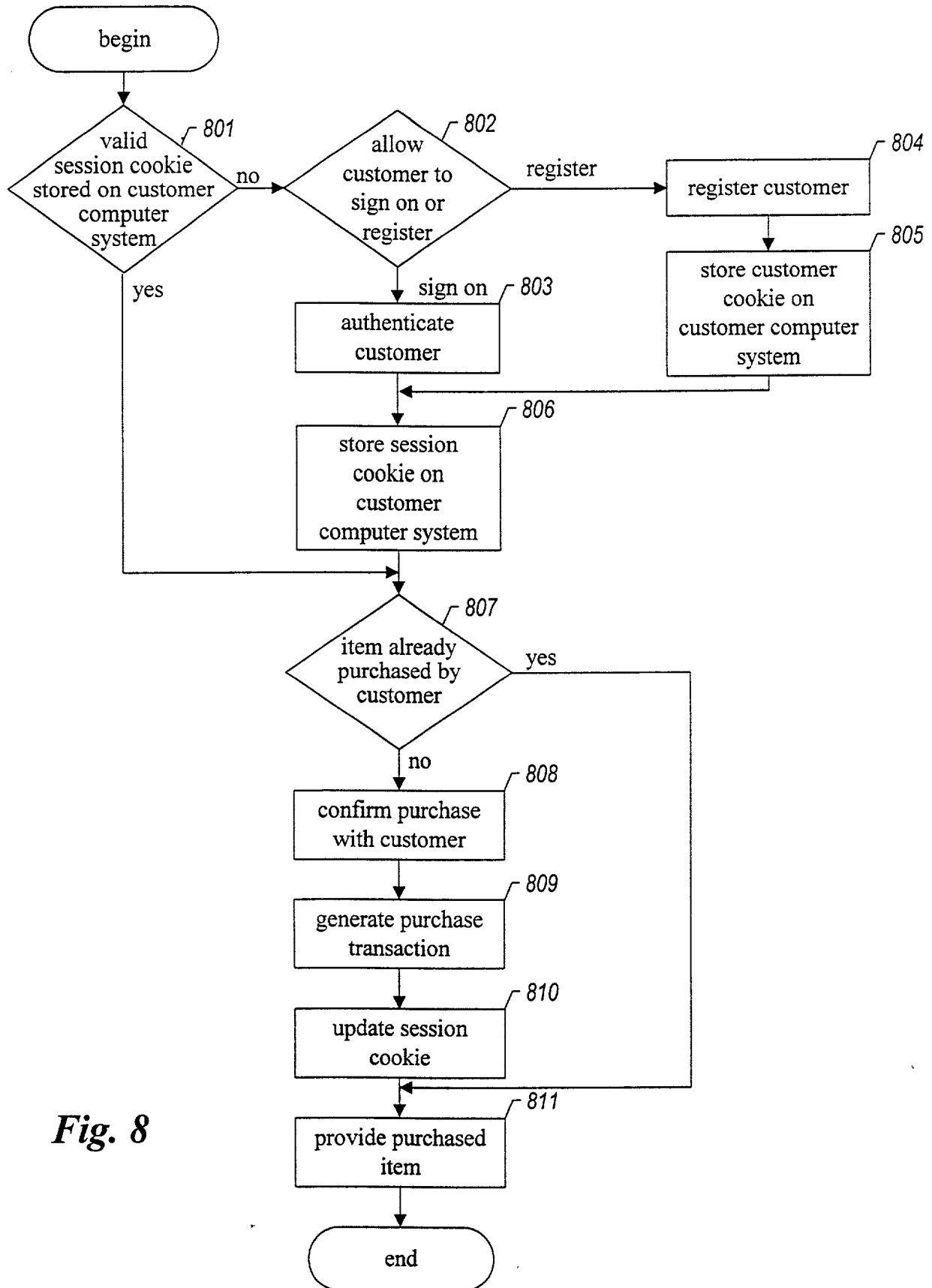


Fig. 8

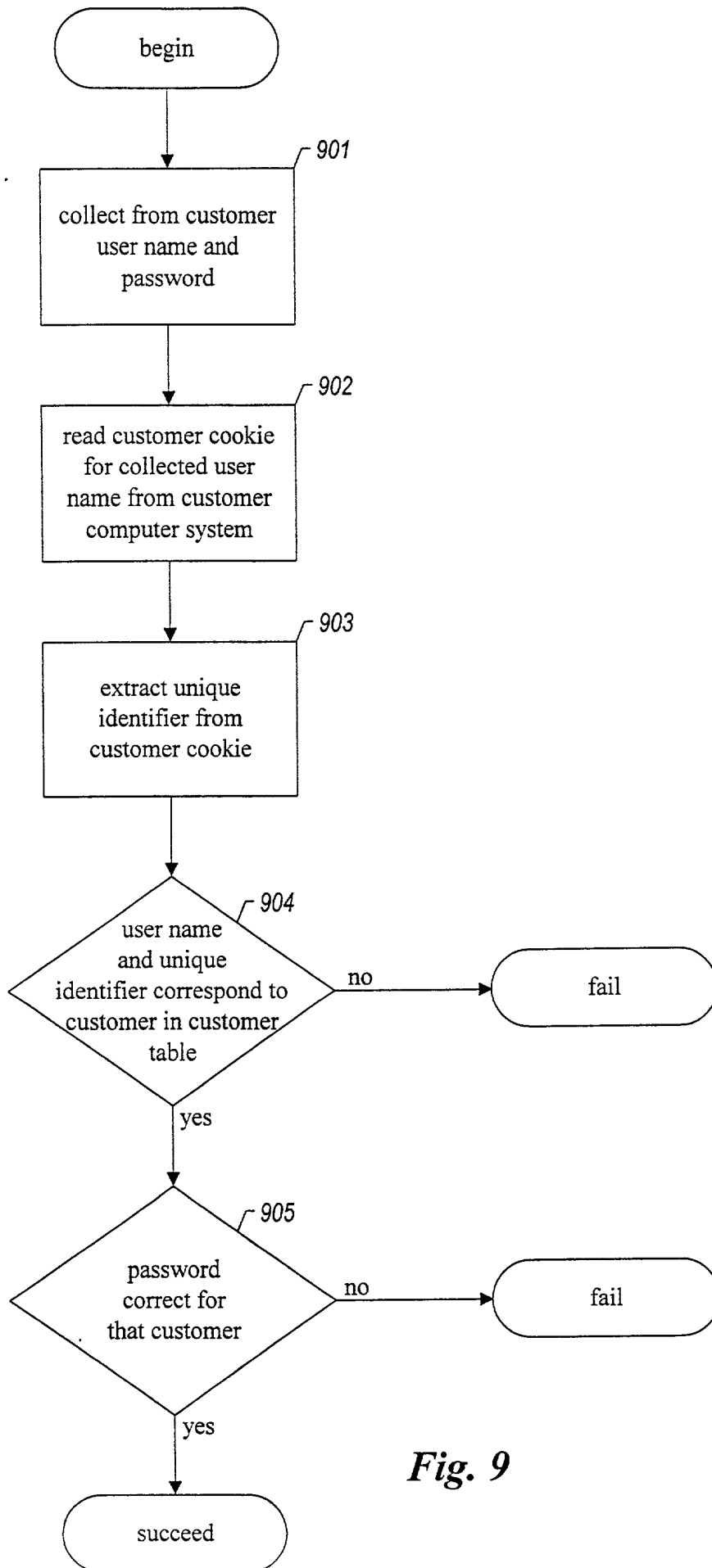


Fig. 9

Contents

For the desktop of
Proscenium Staff



1000

Partners

Qpass - Sign On - Microsoft Internet Explorer

Part 1 Click Purchase ID

1022 Sign On 1021

Content Partners .com 0001-8622

1001

1002

Member ID: 1001

Password: 1002

☒ Save password?

1003

Sign On Cancel

1004

Please enter your name and password to login to Qpass.

Register with Qpass to become a member!

Tell me more about the benefits of being a Qpass member.

exchange

access

Web

Streaming audio books as an innovative medium for storytelling.

Cost: \$ 2.50 for one hour of access

Credit: Rik Drummond And Kay Spearman

Network Computing

XML Set To Change The Face Of E-Commerce

Cost: \$ 2.50 for one hour of access

Credit: Rik Drummond And Kay Spearman

Network Computing

About Qpass

Click here to find out more about Qpass

©Copyright 1998 Qpass



Fig. 10

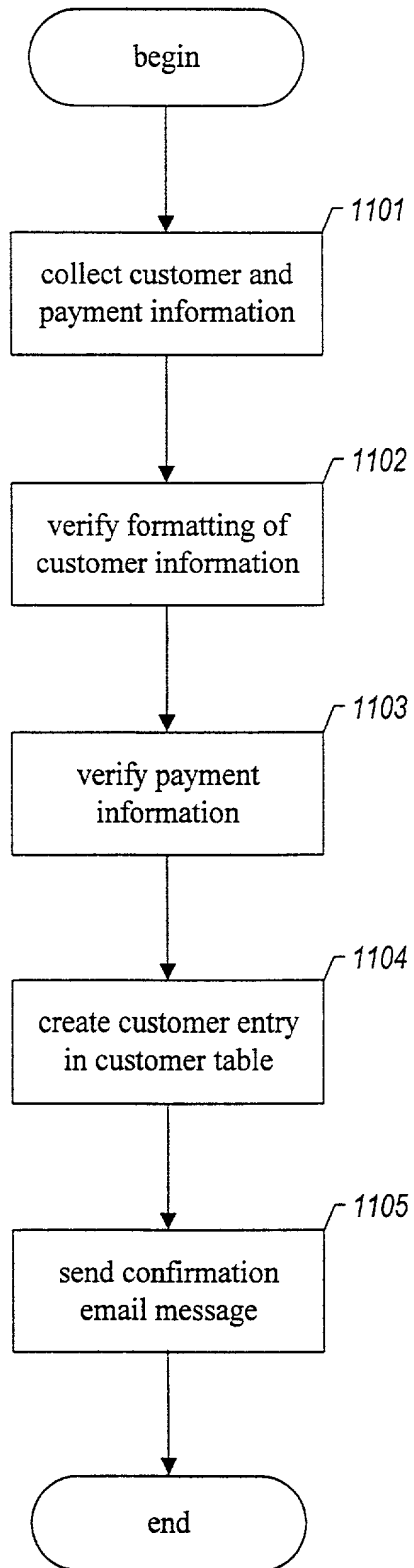


Fig. 11

For the desktop of
Proscenium Staff



1200

Qpass - Registration - Microsoft Internet Explorer

Point, Click, Purchase™

Registration

Content Partners
0001-8622

Marketing copy here.

Tell us more about the benefits of being a Qpass member.

1201 First Name: Joe
1202 Last Name: User
1203 Postal Code: 98110
1204 E-mail Address: joe@hotmail.com
1205 Credit Card: Visa
1206 Credit Card #: 4111111111111111
1207 Expiration Date: Dec 1999
1208 Member ID: JoelUser
1209 Password:
1209 Re-enter:
1210 Shared secret: New York

our more about
Qpass.

©Copyright 1998 Qpass

Fig. 12

XML Set To Change The Face Of E-Commerce
Cost: \$2.50 for one hour of access
Credit: Rik Drummond And Kay Spearman
Network Computing

For the desktop of
Proscenium Staff



1300

Partners
Click here for a
list of Qpass

XML

Qpass - Purchase Confirmation - Microsoft Internet Explorer

Point, Click, Purchase TM

Purchase Confirmation

Qpass

Your account will be charged \$2.50 for
unlimited access for the next 30 minutes
to 20 QUESTIONS ON XML.

1301 Thank you!

Marketing copy here.

Continue Cancel

1302

books as an
innovative
medium for
storytelling

XML Set To Change The Face Of
E-Commerce
Cost: \$2.50 for one hour of access
Credit: Rik Drummond And Kay Spearman
Network Computing

About Qpass
Click here to find
out more about
Qpass

 Copyright 1998 Qpass.



Fig. 13

Contents

For the desktop of
Proscenium Staff

1400



20 Questions

Featured Articles

"20 Questions on XML"
C/Net, Builder.com
By Trisha Gorman
(3/10/98)

Nearly everyone is talking about XML (Extensible Markup Language) these days. But few understand what it's really all about.

XML's proponents claim it will cure everything that's wrong with HTML and enable the seamless exchange of data between different applications and operating systems. Indeed, most observers agree that XML is poised to cause a revolution in content delivery and exchange. And those of you who get it first will probably benefit the most.

If you've been dying to learn more about XML but have been unable to find the time to dig through all the technical specs and marketing hyperbole, we have the perfect answer: let BUILDER.COM do the digging for you. We've asked and answered the top 20 questions about XML, and while they may not make you an XML expert, we guarantee they'll give you a better appreciation of just what this technology has in store for Web builders.

1. What is XML?
2. Why is XML important?
3. How are SGML, HTML, and XML related?
4. How will XML be implemented?
5. What is a Document Type Definition (DTD)?

Fig. 14



Best Market Reports

[Home] [Search] [GLOBUS & NTDS] [E-mail]

[Previous Page](#) [Next Page](#)

- 1501 ~ Program Description
- 1502 ~ AGRICULTURAL CHEMICALS FY98
- 1503 ~ AGRICULTURAL EQUIPMENT FY98
- 1504 ~ AIR CONDITIONING/REFRIGERIN EQUIP FY98
- 1505 ~ AIRCRAFT AND PARTS FY98
- 1506 ~ AIRPORT/GROUND SUPPORT EQUIP FY98
- 1507 ~ APPAREL FY98
- 1508 ~ ARCHITECTURE/CONSTR/ENGINEER'G FY98
- 1509 ~ AUTOMOTIVE PARTS/SERVICE EQUIPMENT FY98
- 1510 ~ AUTOS AND TRUCKS FY98
- 1511 ~ BOOKS AND FILMS FY98
- 1512 ~ BUILDING PRODUCTS FY98
- 1513 ~ CHEMICAL AND PLASTICS PROD EQUIP FY98
- 1514 ~ CHEMICALS AND COMPOSITES FY98
- 1515 ~ COMMERCIAL AND PLEASURE BOATS FY98
- 1516 ~ COMPUTER SOFTWARE FY98
- 1517 ~ COMPUTERS AND BUSINESS EQUIP FY98
- 1518 ~ COMPUTER/INFORMATION SERVICES FY98
- 1519 ~ CONSTRUCTION EQUIPMENT FY98
- 1520 ~ COSMETICS AND TOILETRIES FY98
- 1521 ~ DEFENSE INDUSTRY EQUIPMENT FY98
- 1522 ~ DRUGS AND PHARMACEUTICALS FY98
- 1523 ~ EDUCATION/TRAINING FY98
- 1524 ~ ELECTRICAL POWER SYSTEMS FY98
- 1525 ~ ELECTRONIC COMPONENTS FY98
- 1526 ~ ELECTRONICS IND PROD/TEST EQUIP FY98

Fig. 15



Best Market Reports

[Home] [Search] [GLOBUS & NDB] [E-mail]

[Previous Page](#)

[Next Page](#)

Program Description

AGRICULTURAL CHEMICALS E
AGRICULTURAL EQUIPMENT E
AIR CONDITIONING/REFRIG E
AIRCRAFT AND PARTS FY98
AIRPORT/GROUND SUPPORT E
APPAREL FY98
ARCHITECTURE/CONSTR/ENGI
AUTOMOTIVE PARTS/SERVICE
AUTOS AND TRUCKS FY98
BOOKS AND FILMS FY98
BUILDING PRODUCTS FY98
CHEMICAL AND PLASTICS PR
CHEMICALS AND COMPOSITES
COMMERCIAL AND PLEASURE
COMPUTER SOFTWARE FY98
COMPUTERS AND BUSINESS E
COMPUTER/INFORMATION SER
CONSTRUCTION EQUIPMENT FY98
COSMETICS AND TOILETRIES FY98
DEFENSE INDUSTRY EQUIPMENT FY98
DRUGS AND PHARMACEUTICALS FY98
EDUCATION/TRAINING FY98
ELECTRICAL POWER SYSTEMS FY98
ELECTRONIC COMPONENTS FY98
ELECTRONICS IND PROD/TEST EQUIP FY98

[Print Click Purchase It](#)



STAT-USA[®]

Marketing copy here.

Purchase Confirmation

Your account will be charged \$1.00 for unlimited access for the next 1 minutes to ELECTRICAL POWER SYSTEMS FY98.

☐ This is a business expense.

Thank you!

1601

1600

Internet zone

Fig. 16

ELECTRICAL POWER SYSTEMS FY98 BEST MARKET REPORTS USDOC, INTERNATIONAL TRADE
ADMINISTRATION
Product ID: 24

TITLE: ELECTRICAL POWER SYSTEMS FY98

SUBJECT COUNTRY(IES): WORLD

POST OF ORIGIN: COMMERCE

SERIES: BEST MARKET REPORTS (BMR)

ITA INDUSTRY CODE: ELP, REQ

DATE OF REPORT (YYMMDD): 971027

DELETION DATE (YYMMDD): 991015

AUTHOR:

APPROVING OFFICER:

OFFICER'S TITLE:

NUMBER OF PAGES: 63

INTERNATIONAL COPYRIGHT, U.S. & FOREIGN COMMERCIAL SERVICE AND
U.S. DEPARTMENT OF STATE, 1997. ALL RIGHTS RESERVED OUTSIDE OF
THE UNITED STATES

Best Market Report FY98:
ELECTRICAL POWER SYSTEMS

ELECTRICAL POWER SYSTEMS

Countries included:

ARGENTINA

Done

Local Internet zone

Fig. 17

1800	1801	1802	1803	1804	1805 transaction table	1806
	Customer	Merchant	Item	Amount	Expiration	Outstanding
	⋮					
1811	Jim	Customer News	Vacuum Rating Guide	US\$ 3.00	None	Yes
1812	Joe User	Content Partner	20 Questions on XML	US\$ 2.50	11/3/98 2:25 p.m.	Yes
1813	Joe User	Stat USA	Electrical Power Systems FX 98	US\$ 1.00	11/3/98 9:11 a.m.	Yes
1814	Sally Shopper	Recipeland	Dessert Recipes	US\$ 3.00	12/21/98 10:00 a.m.	No
1815	Sally Shopper	Recipeland	Lunch Recipes	US\$ 0.25	11/30/98 12:00 a.m.	No
1816	Sally Shopper	Item Publishing	Home Journal	US\$ 0.25	11/1/99 12:00 noon	Yes
1817	Sally Shopper	Finance Data	General Electric Annual Report	US\$ 7.75	11/1/99 12:00 p.m.	Yes
1818	Sally Shopper	Autoworld	Fuel Pump Repair	US\$ 1.00	3/5/99 9:00 a.m.	Yes
1819	Sally Shopper	Autoworld	Tire Upgrade	US\$ 1.25	12/1/98 11:18 am	Yes
1820	Sam Client	Horticulture Today	Renewal Chart	US\$ 0.75	12/29/99 12:00 a.m.	Yes
	⋮					

Fig. 18

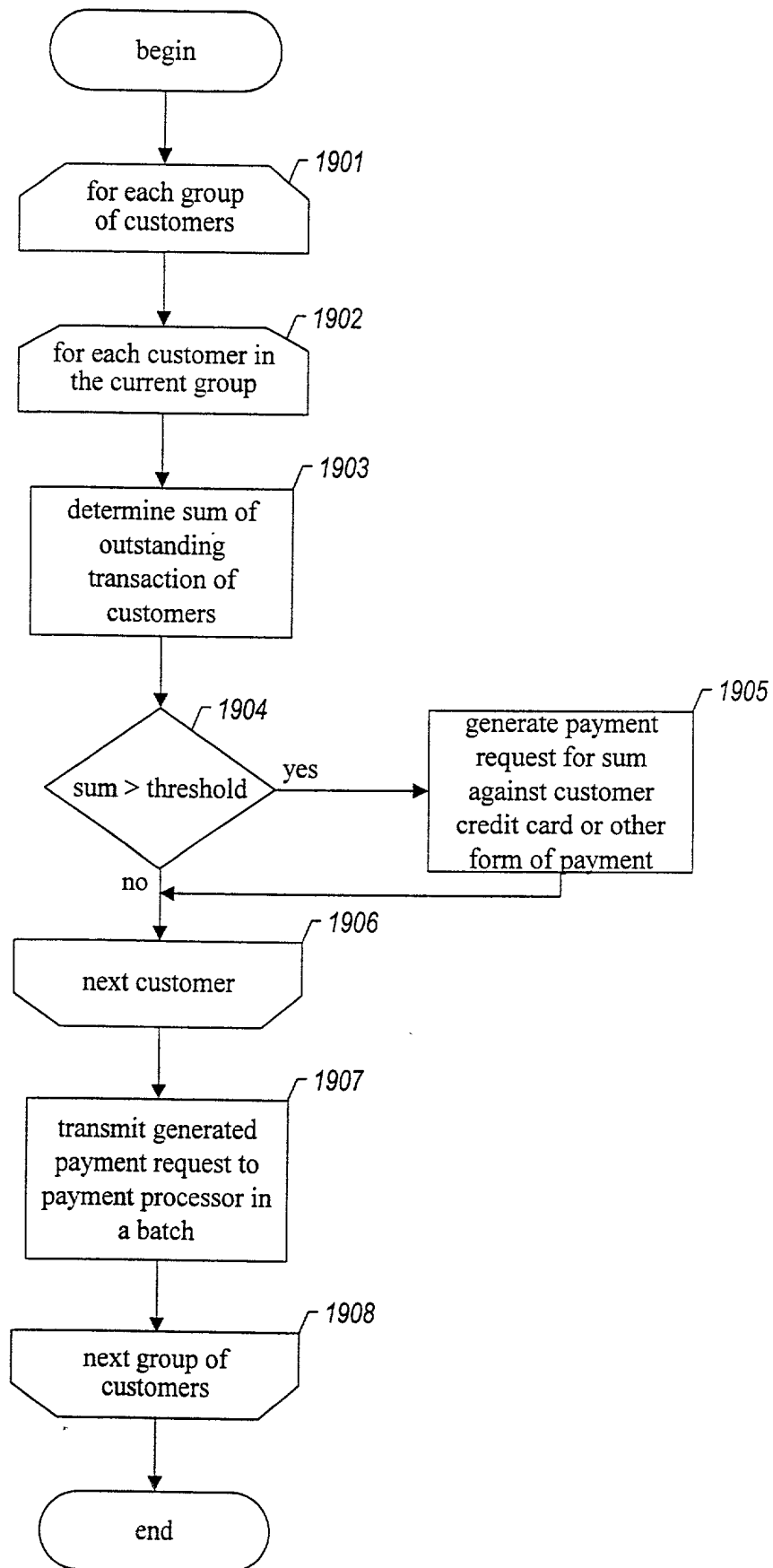


Fig. 19

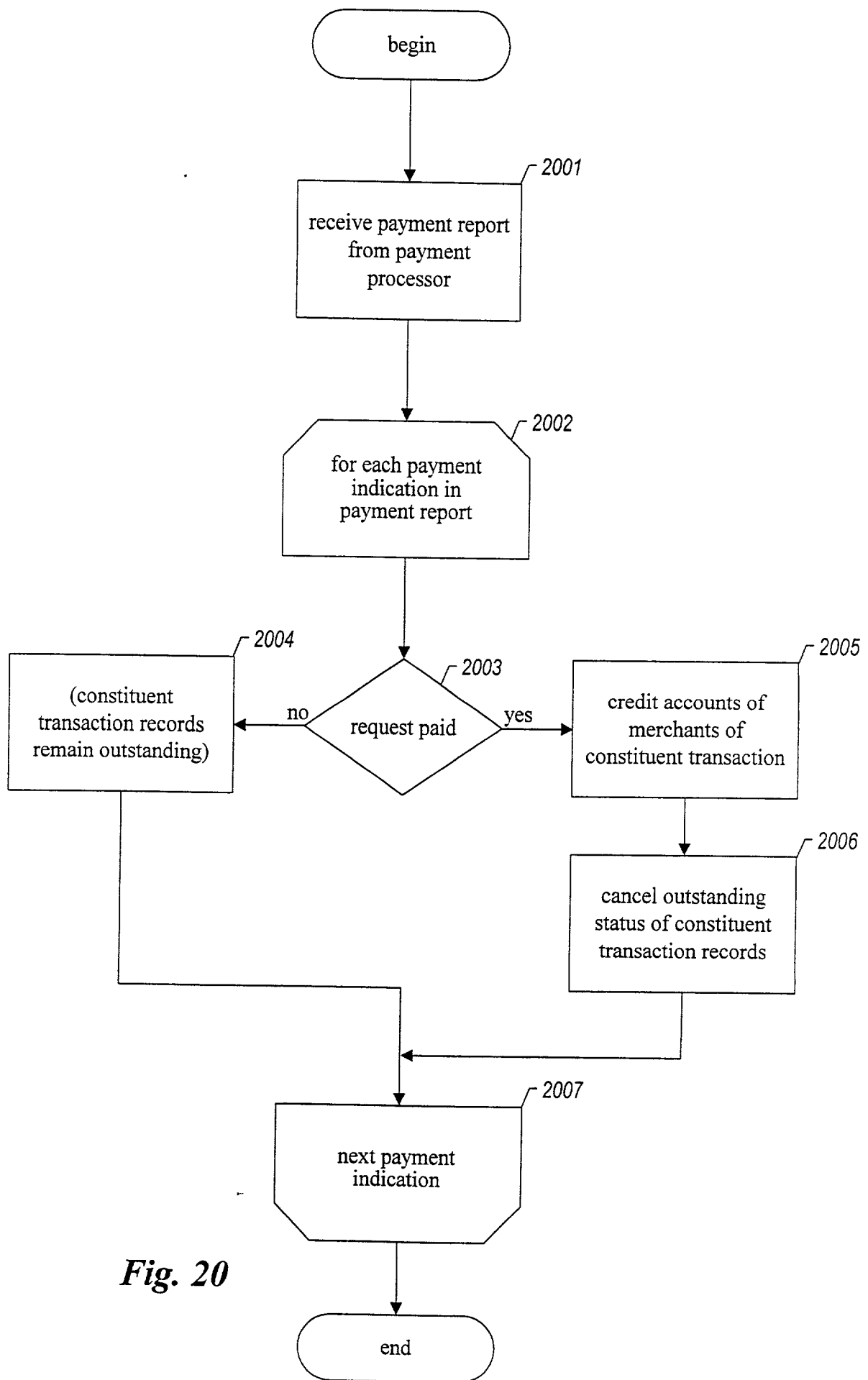


Fig. 20

Qpass News	Statements	Subscriptions	Memberships	Help
Current Period	Past Periods	Account Status		

Current Period - Transaction Summary

Quick Tip: This statement reflects all transactions since the last billing date.

Questions about a transaction? Click on the product name to get more details.

Wondering how credits work? Any credits in your account will automatically be applied to your balance.

[Sign Out](#)

Member Name: Joe User (joeuser)

Current Balance: \$3.50

Today's Date: 11/27/1998

Period End Date: 12/22/1998

Current Activity - Joe User

Date	Product Name	Amount	Credits Applied
11/27	Content Partner 20 Questions on XML	\$2.50	2110
11/27	Stat USA Electrical Power Systems FX 98	\$1.00	2120

Previous Balance

Previous balance	\$0.00
11/27 Current Purchases	\$ 3.50

Total Account Balance

\$ 3.50	2130
---------	------

* Business Expense
Click on the Product Name to see transaction details or to request a refund.

Fig. 21



Qpass News	Statements	Subscriptions	Membership	Help
Current Period	Past Periods	Account Status		

2200

Current Period - Transaction Detail

Sign Out

Qpass Colors

Date Purchased: 11/27
Content Provider: Slat USA
Product Name: Electrical Power Systems FX 98
Business Expense: No
Price: \$ 1.00
Amount Due: \$ 1.00
Status: OK

2211

2210

2220

Return to Summary Request Refund

Copyright © 1998 Qpass Inc.

Fig. 22

✓ 2300

Qpass News Statements Subscriptions Membership Help



Qpass News	Statements	Subscriptions	Membership	Help
Current Period	Past Periods	Account Status		

2400

Current Period - Transaction Detail

Your refund status will be displayed in the status column of your Transaction Summary.

Click [Return to Summary](#) to view your updated Current Transaction Summary.

[Sign Out](#)

Refund Request Confirmation

Your refund request for the following transaction is confirmed:

Date Purchased: 11/27

Content Provider: Stat USA

Product Name: [Electrical Power Systems FX 98](#)

Price: \$1 00

[Return to Summary](#)

Copyright © 1998 Qpass Inc.

Fig. 24



Qpass News	Statements	Subscriptions	Membership	Help
Current Period	Past Periods	Account Status		

Current Period - Transaction Summary

Quick Tip: This statement reflects all transactions since the last billing date.

Questions about a transaction? Click on the product name to get more details.

Wondering how credits work? Any credits in your account will automatically be applied to your balance.

[Sign Out](#)

Member Name: Joe User (joeuser)

Current Balance: \$2.50 Today's Date: 11/27/1998
Period End Date: 12/22/1998

Current Activity - Joe User

Date	Product Name	Amount	Credits Applied
11/27	Content Partner 20 Questions on XML	\$2.50	2510
11/27	Stat USA Electrical Power Systems FX 98	\$1.00	
	Refund Pending	-\$1.00	2521
			2520

Previous Balance

Previous balance	\$0.00
11/27 Current Purchases	\$2.50

Total Account Balance } 2530
\$2.50

* Business Expense
Click on the Product Name to see transaction details or to request a refund.

Fig. 25

2500

2600

Subscriptions

Click on a subscription to modify it.

Member Name: Joe User (joeuser) Today's Date: 11/27/1998

Joe User

Merchant	Item	Expiration Date	Renews Automatically
Wall Street Journal Publications	Wall Street Journal 2611	12/27	no 2610
Gardening Co.	Green Thumb Weekly 2621	6/15	yes 2620

Quick Tip: This statement reflects all transactions since the last billing date.

Questions about a transaction? Click on the product name to get more details.

Wondering how credits work? Any credits in your account will automatically be applied to your balance.

[Sign Out](#)

Fig. 26

QPASS NEWS STATEMENTS PAST PERIODS MEMBERSHIP ACCOUNT STATUS



Member Assistance Center

Qpass News	Statements	Membership	Help
Current Period	Past Periods	Account Status	

2700

Subscriptions

[Sign Out](#)

Qpass Colors

Date Purchased: 11/27
Content Provider: Wall Street Journal Publications
Product Name: Wall Street Journal
Business Expense: No
Price: \$11.00 per month
Automatically Renew: No

2711

2710

2721

2722

2723

Renew Subscription Now

Renew Subscription Automatically

Cancel Subscription

Copyright © 1998 Qpass Inc.

Fig. 27



Quick Tip: To add a member to a group membership, complete the form and click the Register Account button.

New group members will be e-mailed within 24 hours with information about their account.

[Sign Out](#)

Qpass News	Statements	Subscriptions	Membership	Help
Profile	Payment	Password	Group Accounts	

Group Accounts - Registration

First Name:

Last Name:

E-mail Address:

Member ID:

Password:

Re-enter:

Town of Birth:

Copyright © 1998 Qpass Inc.

Fig. 28

Fig. 29

Quick Tip: This statement reflects all transactions since the last billing date.

Questions about a transaction? Click on the product name to get more details.

Wondering how credits work? Any credits in your account will automatically be applied to your balance.

[Sign Out](#)

Opass News	Statements	Subscriptions	Membership	Help
Current Period	Past Periods	Account Status		

Current Period - Transaction Summary

Click on the Product Name to see transaction details or to request a refund.

Member Name: Joe User (joeuser)

Current Balance: \$8.50

Today's Date: 11/28/1998

Period End Date: 12/22/1998

Current Activity - Joe User

Date	Product Name	Amount	Credits Applied
11/28	Content Partner 20 Questions on XML	\$2.50	
11/28	Stat USA Electrical Power Systems FX 98	\$1.00	

Current Activity - Jean User

Date	Product Name	Amount	Credits Applied
11/28	Ski Central Cascade Ski Report	\$2.50	
11/28	Ski Central Olympic Ski Report	\$2.50	

Previous Balance

Previous balance	\$0.00
11/28 Current Purchases	\$ 8.50
Total Account Balance	\$ 8.50

Fig. 30